

FIG. 1 is a block diagram of a network architecture 100. The architecture includes an IP Network 106, a Cable Modem Termination System (CMTS) 105, a Local Exchange Carrier (LEC) Circuit Switched Network 116, a Signaling Packet Network 114, and a Trunking Gateway 110. The IP Network 106 is connected to the CMTS 105, the LEC Network 116, and the Signaling Packet Network 114. The CMTS 105 is connected to a Communication Gateway (CG) 119a and a Cable Modem (CM) 103. The CG 119a is connected to a group of Cable Modems (CM) 107. The LEC Network 116 is connected to a group of Cable Modems (CM) 107. The Signaling Packet Network 114 is connected to a Signaling Gateway 112 and a Signaling Server 166. The Trunking Gateway 110 is connected to a group of Cable Modems (CM) 107. The IP Network 106 is also connected to a Service Provider 160, a Call Agent 108, and a Provision Server 164.

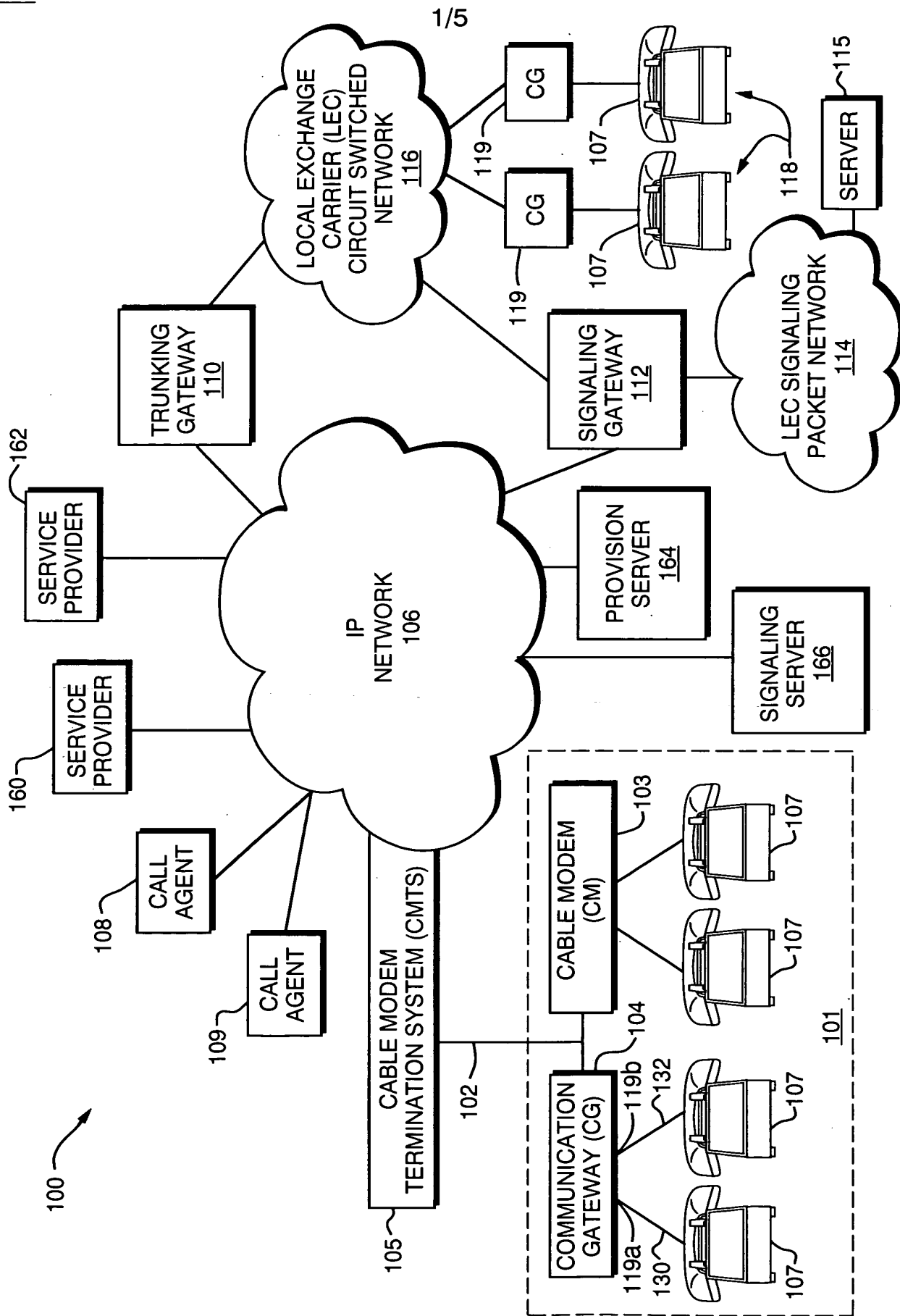


FIG. 1

MAKE A VOIP CALL

USER PICKS UP PHONE
 SIGNAL EVENT
 DIAL TONE SIGNED, COLLECT DIGITS
 USER HEARS DIAL TONE
 USER ENTERS PHONE NUMBER
 DIAL TONE STOPPED
 DIGITS SIGNED
 SIGNAL ORIGINATING START OF SESSION
 ACKNOWLEDGE
 SIGNAL TERMINATING START
 RING TERMINATING PHONE
 ACKNOWLEDGE
 RING BACK SIGNED, AWAIT OFF HOOK
 ORIGINATING USER HEARS RINGBACK
 REMOTE USER PICKS UP
 SIGNAL EVENT
 ORIGINATING STOPS RINGBACK, STARTS CALL
 RINGBACK STOPS
 TERMINATING STOP RINGING, START CALL
 STOP RING
 NOW VOICE PATH EXISTS

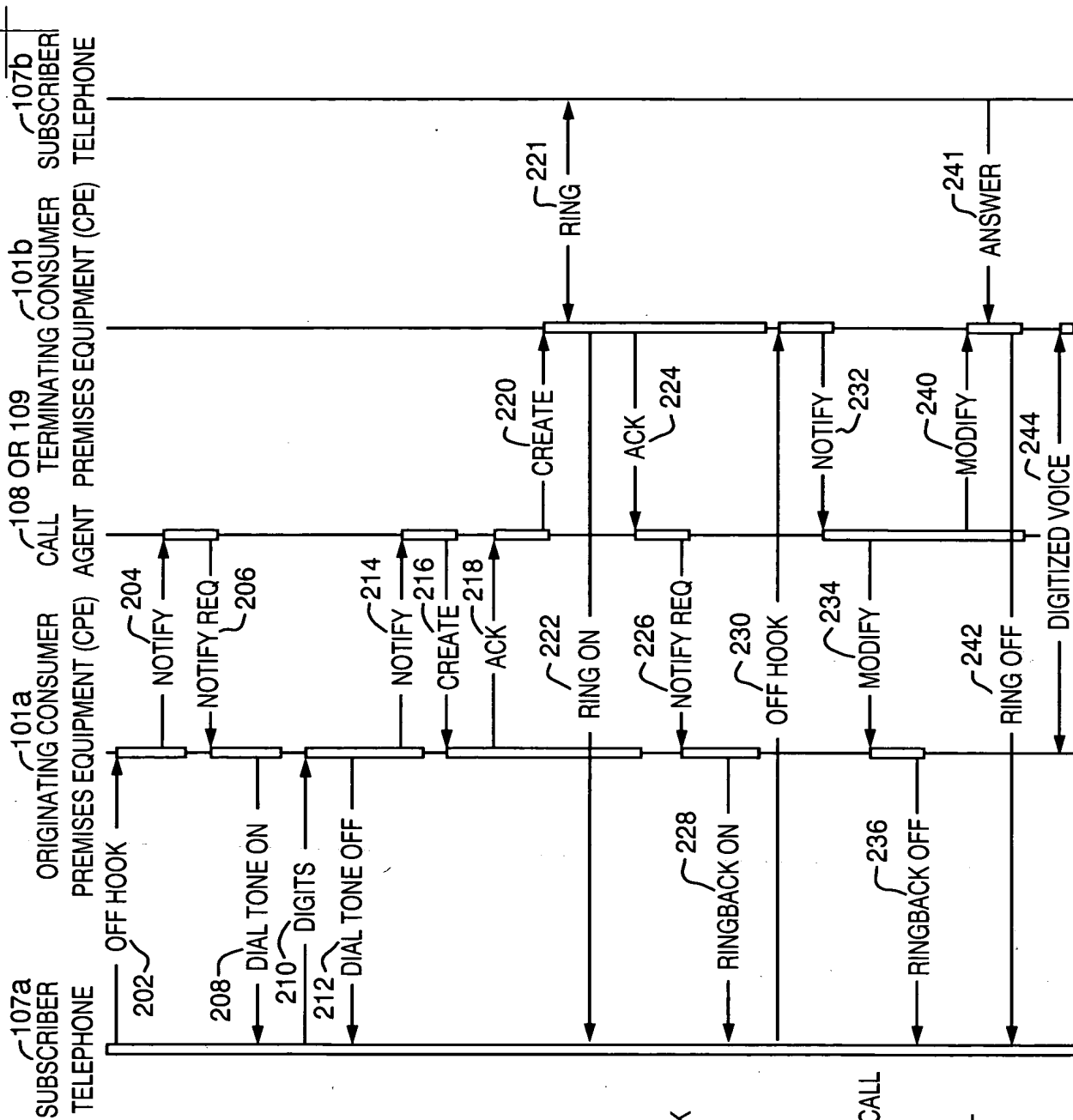


FIG. 2

200

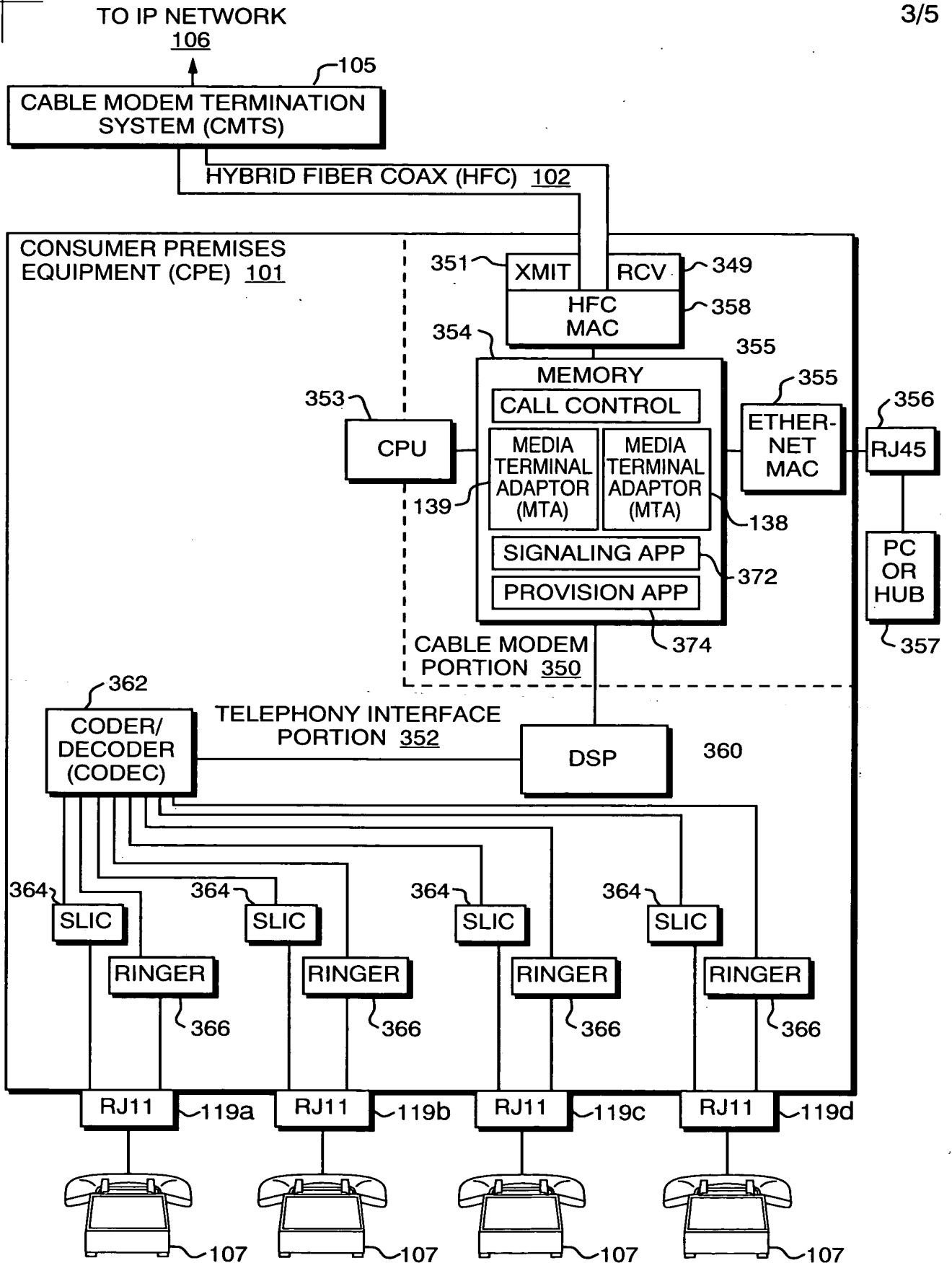


FIG. 3

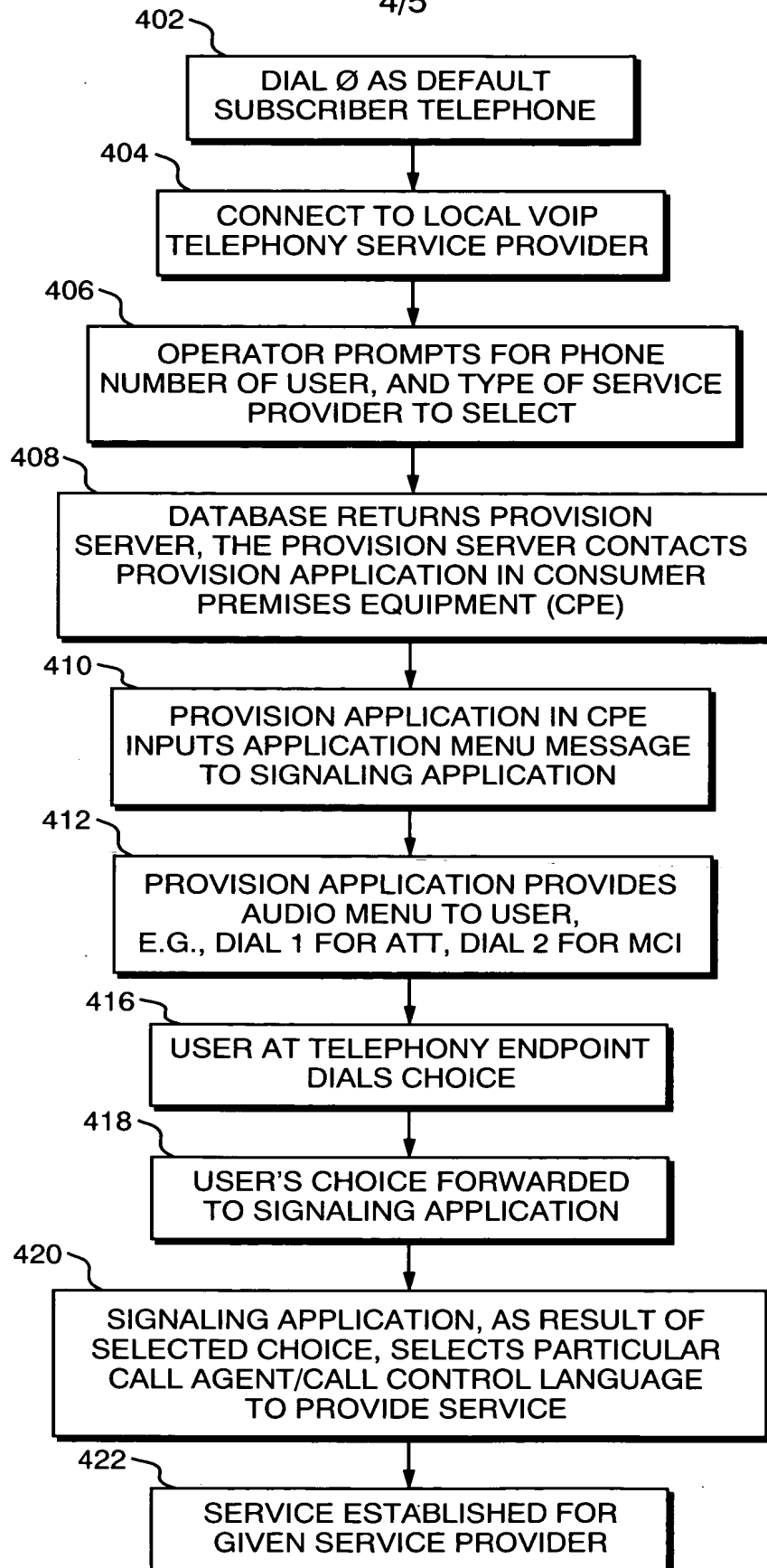


FIG. 4

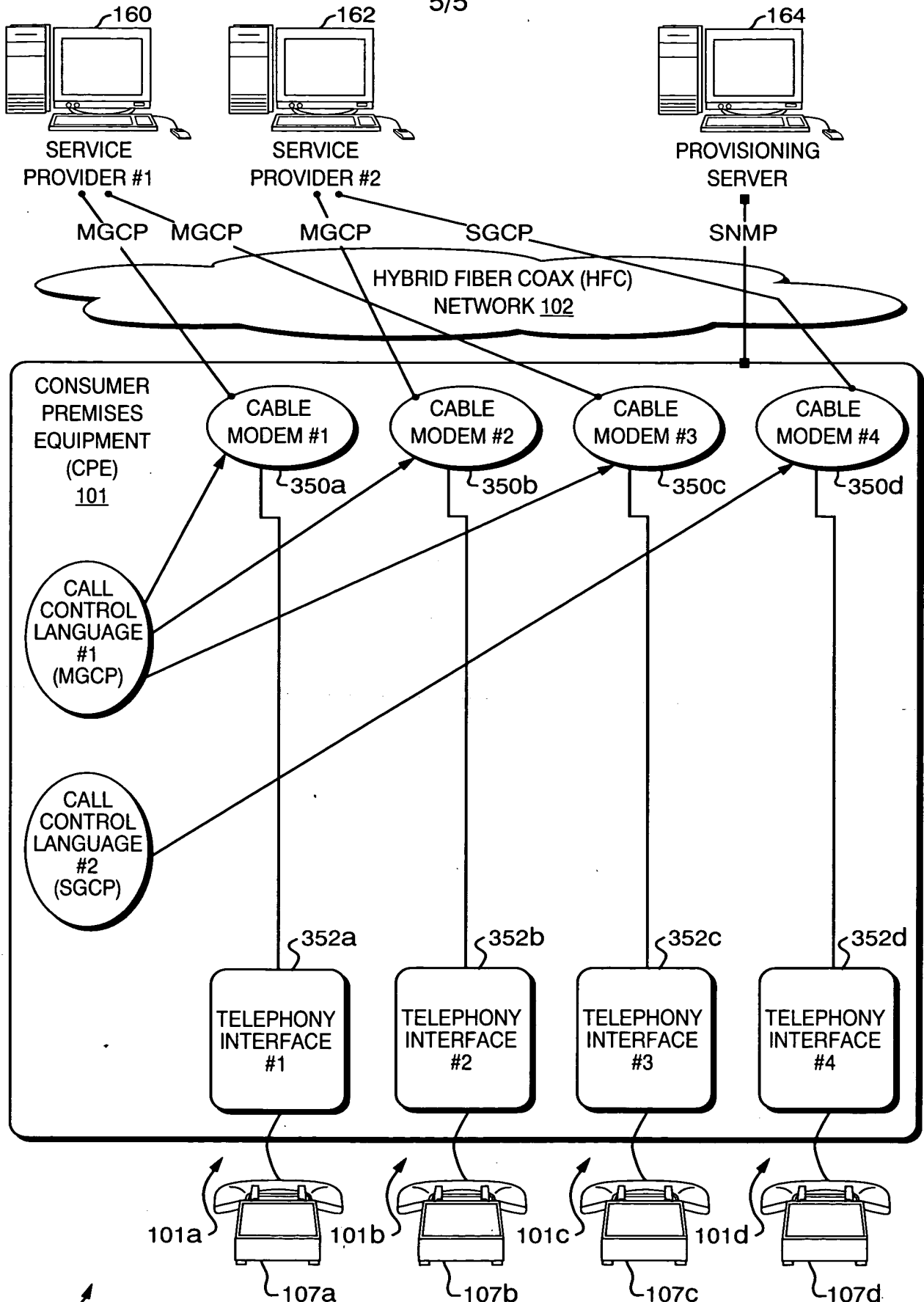


FIG. 5